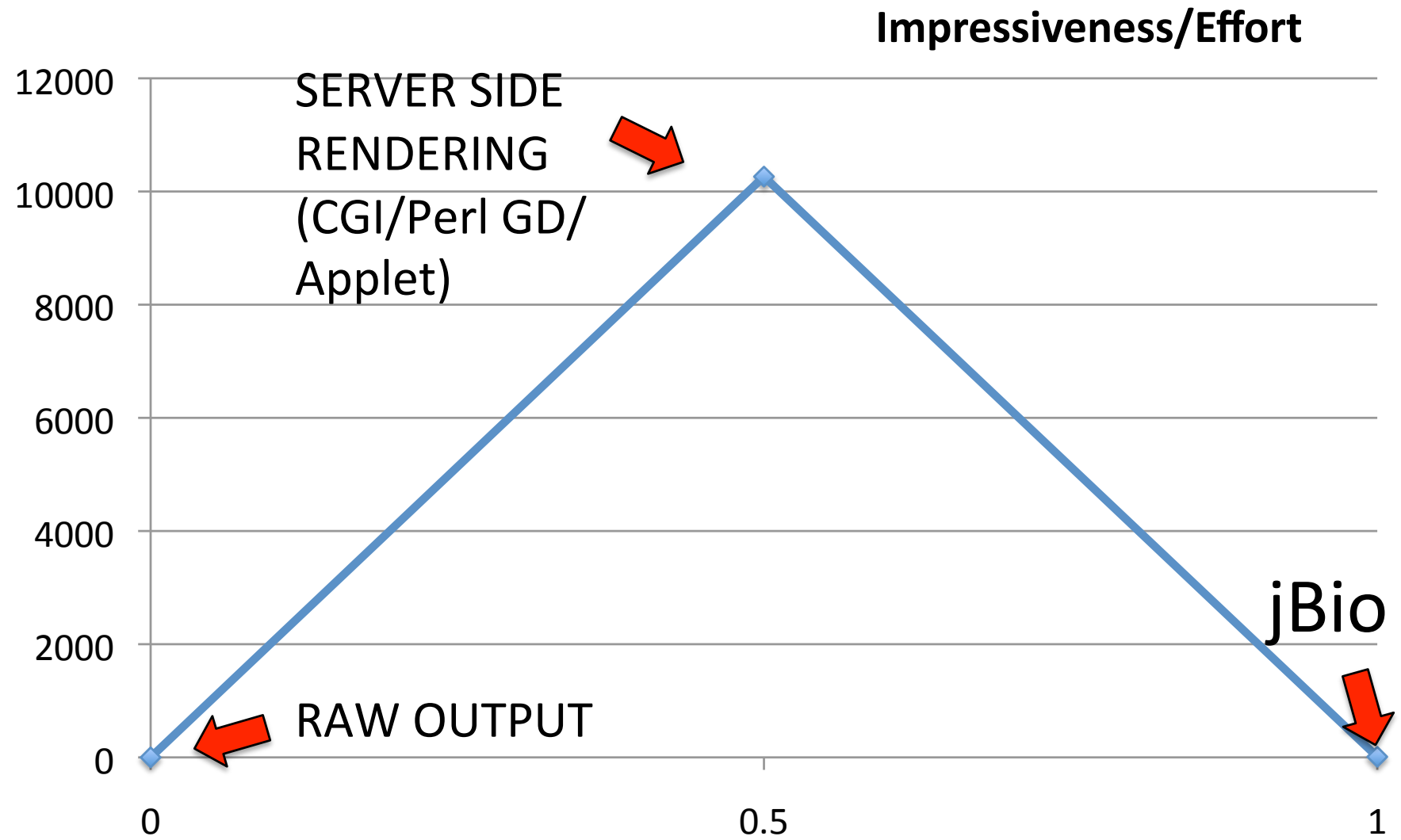


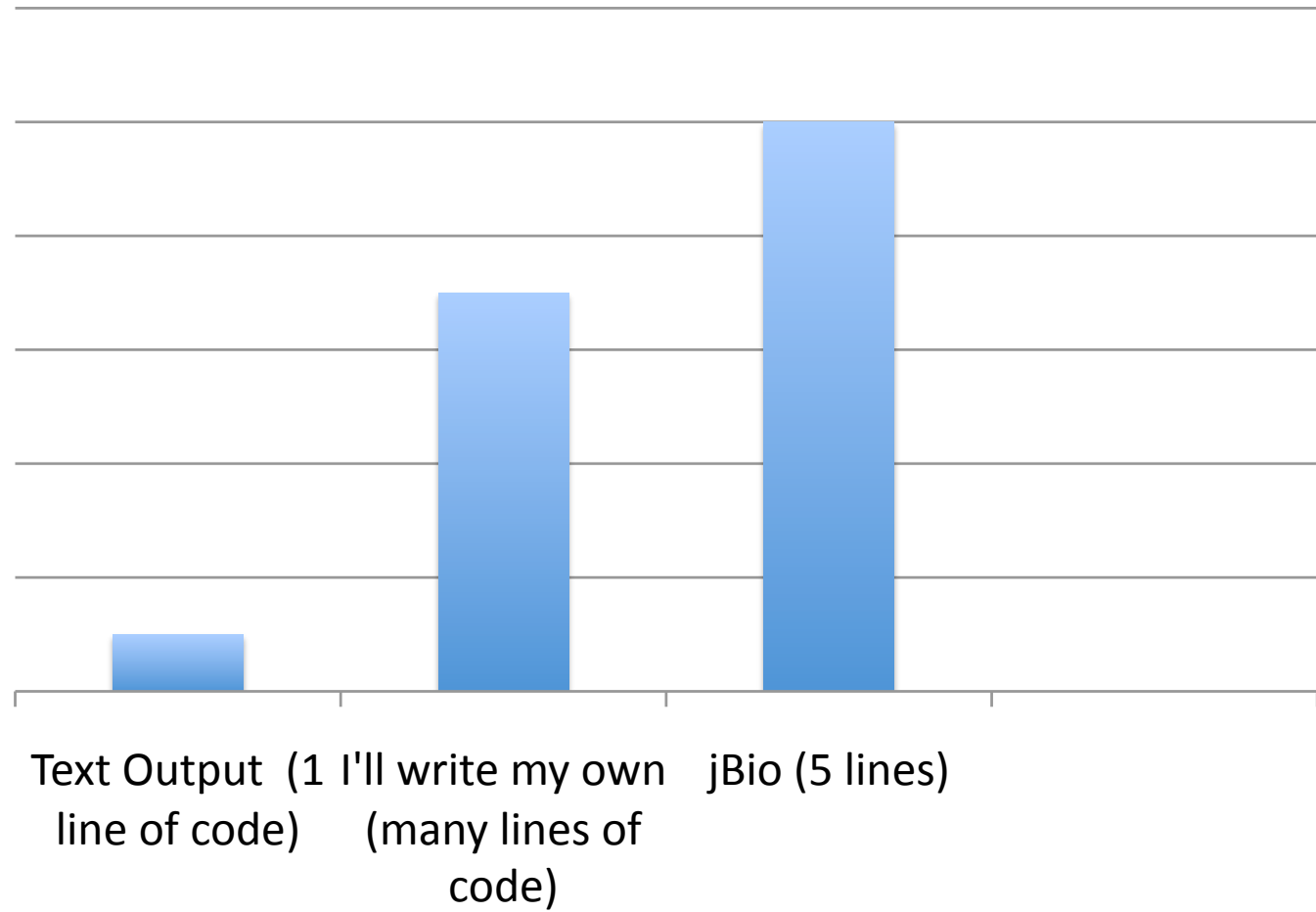
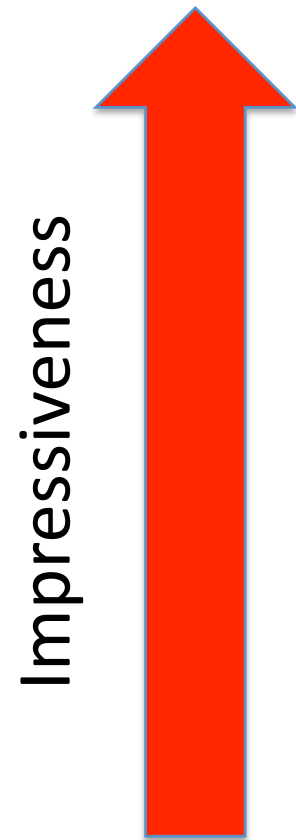
jBio

# Joe's Problem



Joe the Bioinformatician





# 5(FIVE) LINES OF CODES

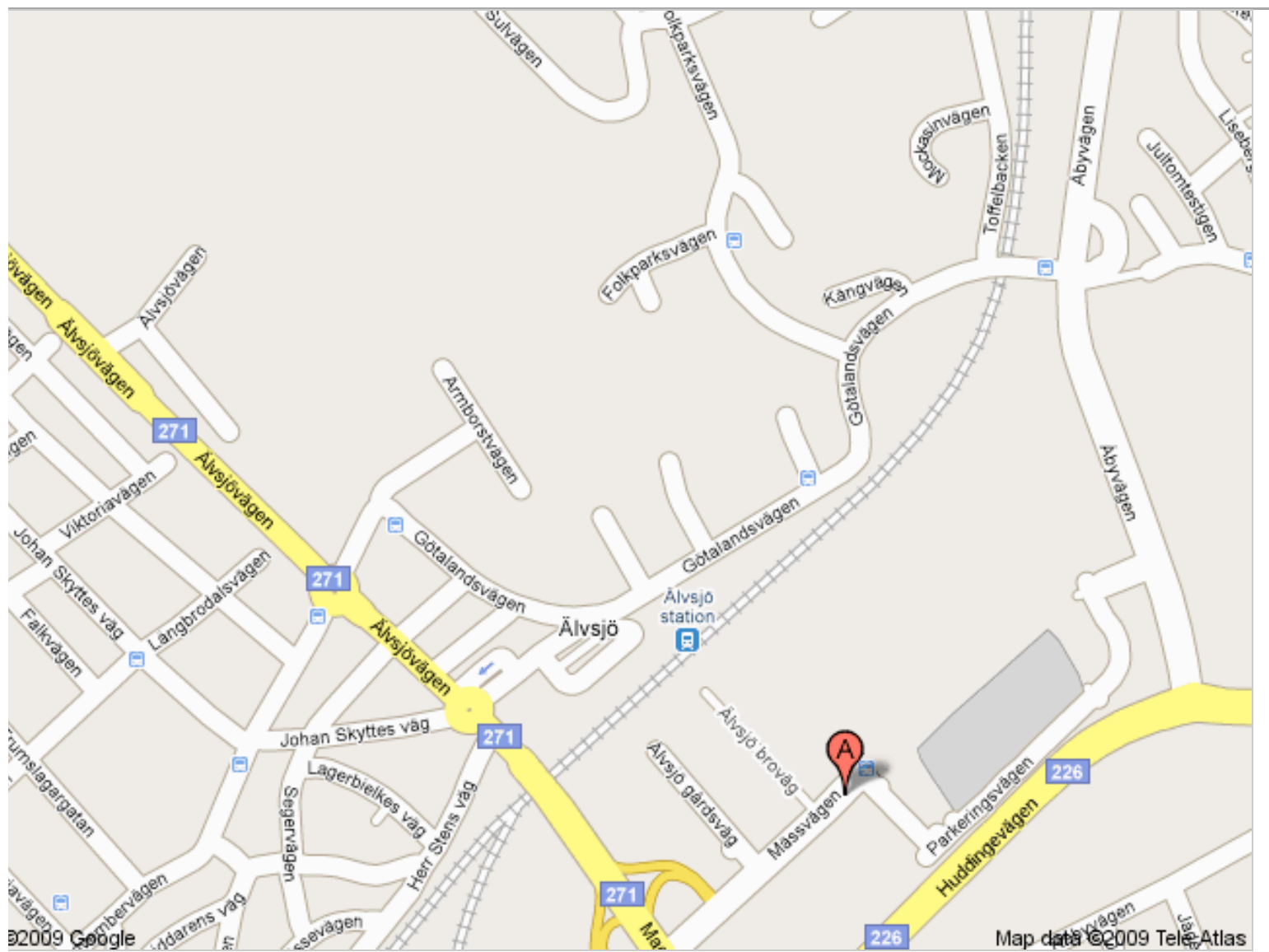
```
1. var panel = new jBio.Graphics.Panel ();  
2. panel.add_track({glyph:    'Arrow'});  
3. seqDiso = panel.add_track({glyph:    'SeqDiso'});  
4. panel.add_track({glyph:    'DisoReg'});  
5. (new jBio.Graphics.SeqCursor ()).bind( 'cursormove',  
    seqDiso.move);
```

\$> [RUN](#)

# jBio Saves the Day in 5 Simple Lines of Code

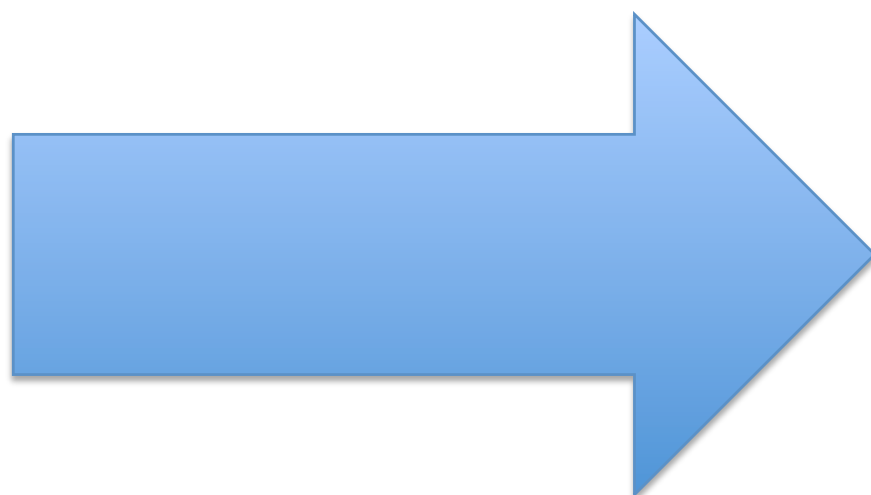


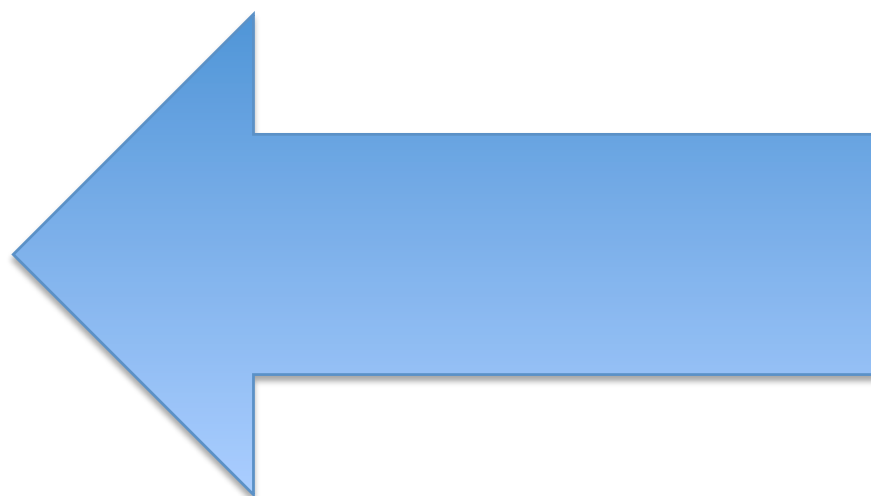
# jBio is Google Maps for Biological Data

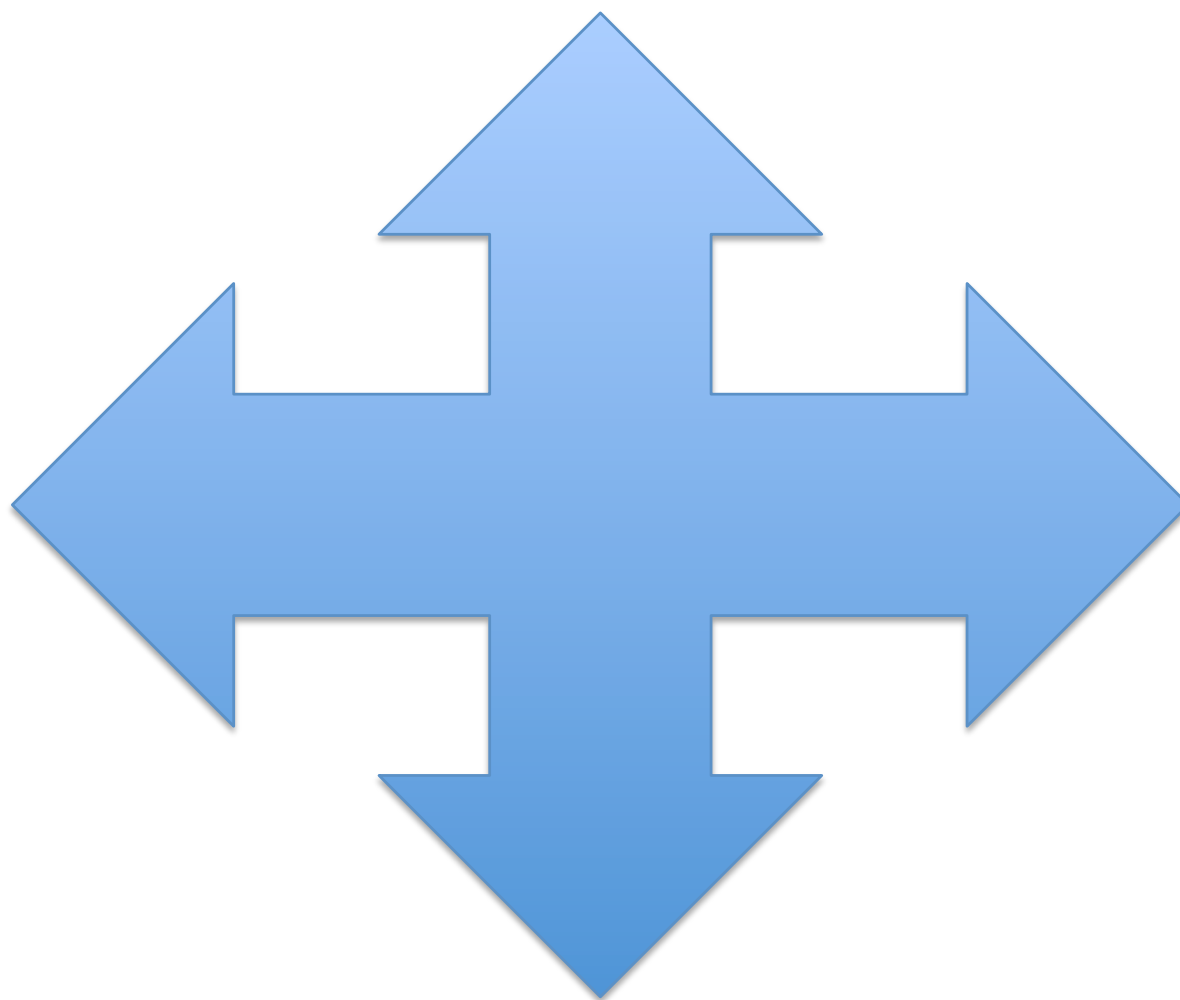












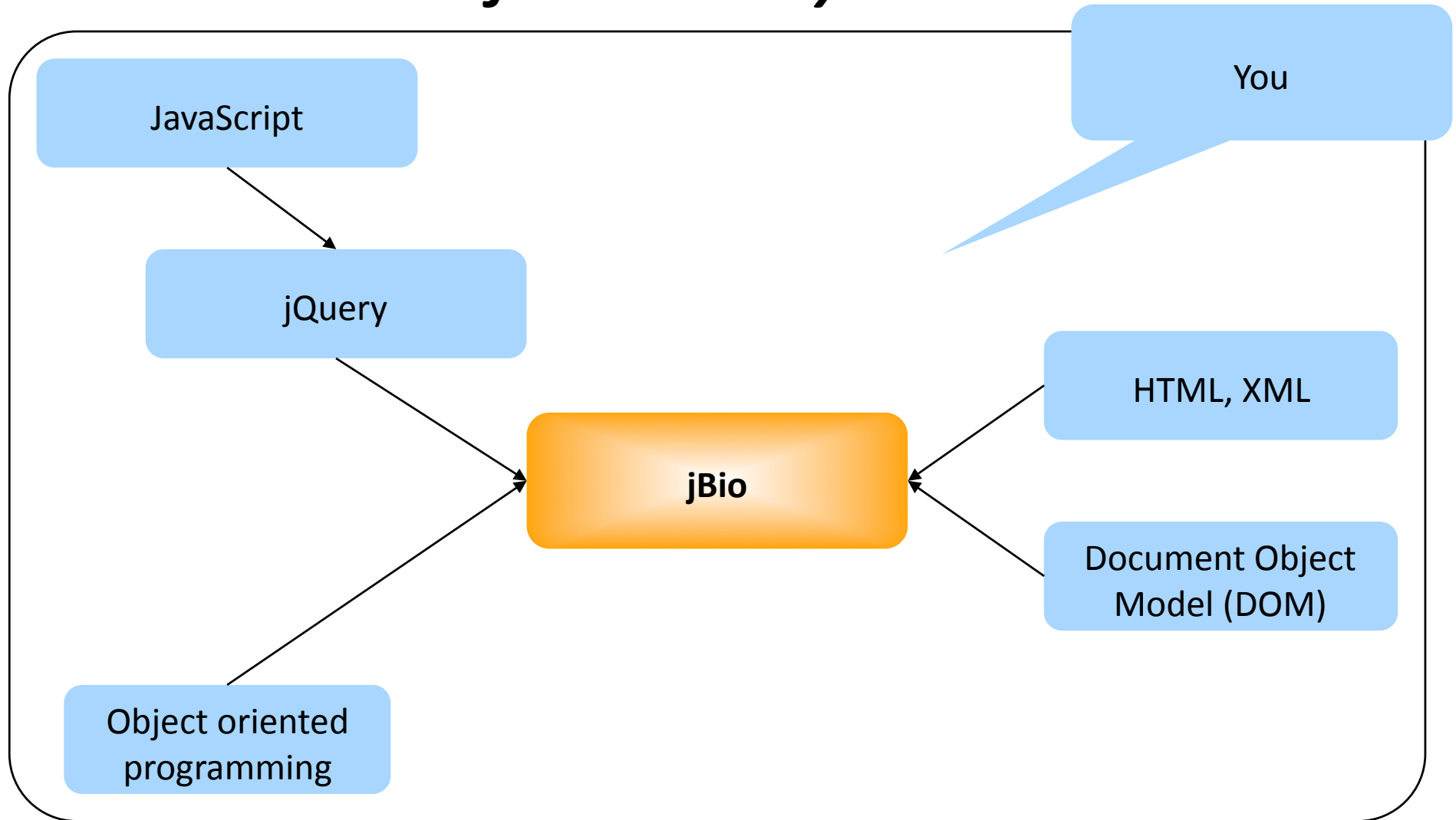
MUCH MORE ...

# We Tried it Ourselves



Diving Deeper

# jBio and *you*



# Secrets of jBio

- Foundation classes for bioinformatics
  - Sequence
  - Feature
  - Annotation
- Input/output
- Graphics and interactions
  - Panel
  - Glyph
  - Cursor
- Themes
- High resolution figures



# Deep secrets of jBio

- Forcible multiple inheritance in JavaScript
  - Bring together concepts
  - Code only what you need to
- Encapsulated documentation
  - Documentation alongside code
- Documentation compiler
  - Can not be deceived
  - Extensible: inheritance graphs

# What does jBio really do?

- Saves time
- Makes your work look better
- Makes your users like you more
- Makes your demo move even in absence of Internet access

# How does jBio do all that?

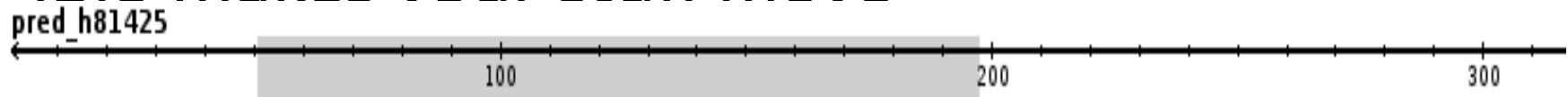
- jBio *shows* your stuff



- jBio makes your stuff *feel*



- iBio makes your stuff *move*



- jBio helps you make a *difference*



# I want to use jBio!

- You are welcome to use our ground-breaking support innovation:
  - E-mail-the-Maker™ (ETM™)
    - [lkajan@rostlab.org](mailto:lkajan@rostlab.org)

# Grasping jBio

- SourceForge.net - jBio project  
Look out for branches (ETM™!)
- Reference manual
  - Stable on <http://jbio.sourceforge.net/>
  - Newest: make your own
    - make html
    - make info
    - make pdf

# Want to Apply jBio onto Your Field

- We would like to know about you, ETM™
- jBio unlimited: interactions, localization, SNPs  
...



# What *really* is jBio?

- It is an elegant solution to a repeating task, the presentation of biological knowledge:

*A visualisation and user interaction library  
for the most popular computer tool,  
the web browser.*

What is jBio?

**FUN**



# Acknowledgements

- People who helped bring jBio to you:
  - Laszlo Kajan
  - Sean O' Donoghue
  - Guy Yachdav
  - Burkhard Rost

ETM

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